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**Classification of fluorescent lamps
and light emitting diodes by
chromaticity and colour rendering
property**

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Illuminating Engineering Institute of Japan (IEIJ)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS Z 9112: 2012**), which has been technically revised.

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Classification of fluorescent lamps and light emitting diodes by chromaticity and colour rendering property

1 Scope

This Japanese Industrial Standard specifies the classification of fluorescent lamps for general lighting service (hereafter referred to as fluorescent lamps), and light emitting diode (LED) module, self-ballasted LED lamps and non-integrated linear LED lamps with GX16t-5 cap (hereafter referred to as LED), by chromaticity and colour rendering property.

This Standard is also applicable to LED light source, LED luminaire, organic electroluminescent (EL) source, organic EL luminaire in addition to the above.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 62504 *General lighting—Light emitting diode (LED) products and related equipment—Terms and definitions*

JIS Z 8113 *Lighting vocabulary*

JIS Z 8724 *Methods of colour measurement—Light-source colour*

JIS Z 8726 *Method of specifying colour rendering properties of light sources*

JIS Z 8781-3 *Colorimetry—Part 3: CIE tristimulus values*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS Z 8113** and **JIS C 62504**, and the following apply.

3.1

broad band fluorescent lamp

fluorescent lamps of which emission spectra cover the whole visible wavelength and half-width of main emission exceeds about 50 nm

3.2

narrow band fluorescent lamp

fluorescent lamp of which emission spectra are concentrated on one or more specified narrow wavelength bands (half-width is about 50 nm or under)